

BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Construction of Ward Office in Ward No.05, Byatarayanapura

SNo	Quantity	Item Name	Unit	Approved Rates of S.K. KESHAVAMURTHY	
				In figures	In words
1	511.90	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and directions of Engineer in charge of work.	Cum	509.07	Rupees Five Hundred Nine And Paise Seven Only
2	131.89	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications and directions of Engineer in charge of work.	Cum	2753.96	Rupees Two Thousand Seven Hundred Fifty Three And Paise Nine Only
3	55.17	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of Engineer in charge of work.	Cum	5784.57	Rupees Five Thousand Seven Hundred Eighty Four And Paise Fifty Seven Only
4	13.61	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of Engineer in charge of work.	Cum	6147.38	Rupees Six Thousand One Hundred Forty Seven And Paise Thirty Eight Only
5	54.45	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerdressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Cum	5210.87	Rupees Five Thousand Two Hundred Ten And Paise Eighty Seven Only
6	22.47	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and directions of Engineer in charge of work.	Cum	227.89	Rupees Two Hundred Twenty Seven And Paise Eighty Nine Only
7	489.43	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and directions of Engineer in charge of work.	Cum	70.43	Rupees Seventy And Paise Forty Three Only
8	322.37	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	292.52	Rupees Two Hundred Ninety Two And Paise Fifty Two Only
9	117.45	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	405.89	Rupees Four Hundred Five And Paise Eighty Nine Only

Contractor

Executive Engineer
Project Division
Yelahanka Zone

Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY		
			In figures	In words	
10	247.32	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	517.01	Rupees Five Hundred Seventeen And Paise One Only
11	622.33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifcaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs complete as per specifications and directions of Engineer in charge of work.	Sqm	453.51	Rupees Four Hundred Fifty Three And Paise Fifty One Only
12	23.31	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and directions of Engineer in charge of work.	Sqm	856.01	Rupees Eight Hundred Fifty Six And Paise One Only
13	302.36	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	331.06	Rupees Three Hundred Thirty One And Paise Six Only
14	24.38	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	589.57	Rupees Five Hundred Eighty Nine And Paise Fifty Seven Only
15	75.42	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	366.21	Rupees Three Hundred Sixty Six And Paise Twenty One Only
16	231.23	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggretes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement complete as per specifications and directions of Engineer in charge of work.	Cum	6589.55	Rupees Six Thousand Five Hundred Eighty Nine And Paise Fifty Five Only
17	16.46	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggretes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of Engineer in charge of work.	Cum	6853.72	Rupees Six Thousand Eight Hundred Fifty Three And Paise Seventy Two Only

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				In figures	In words
18	16.11	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Cum	6921.75	Rupees Six Thousand Nine Hundred Twenty And Paise Seven Five Only
19	4.32	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of Engineer in charge of work.(Head Room)	Cum	6989.78	Rupees Six Thousand Nine Hundred Eighty And Paise Seven Eight Only
20	121.88	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) complete as per specifications and directions of Engineer in charge of work.	Cum	6232.41	Rupees Six Thousand Two Hundred Thirty And Paise Forty Only
21	15.48	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing,complete as per specifications and directions of Engineer in charge of work.	Sqm	562.36	Rupees Five Hundred Sixty And Paise Thirty Only
22	14.40	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	568.03	Rupees Five Hundred Sixty And Paise Three Only
23	40.92	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of Engineer in charge of work.	tonne	79600.00	Rupees Seventy Nine Thousand Nine Hundred Only

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			In figures	In words
24	10.14	tonne	81000.00	Rupees Eighty One Thousand Only
25	1.37	tonne	82500.00	Rupees Eighty Two Thousand Five Hundred Only
26	413.23	Sqm	1034.01	Rupees One Thousand Thirty Four And Paise One Only
27	200.72	Sqm	1073.69	Rupees One Thousand Seventy Three And Paise Sixty Nine Only
28	39.87	Sqm	1113.38	Rupees One Thousand One Hundred Thirteen And Paise Thirty Eight Only
29	53.32	Sqm	919.18	Rupees Nine Hundred Nineteen And Paise Eighteen Only
30	54.26	Sqm	959.18	Rupees Nine Hundred Fifty Nine And Paise Eighteen Only

Contractor

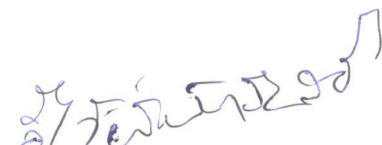
Executive Engineer
Project Division
Yelahanka Zone

Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY		
			In figures	In words	
31	53.91	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications and directions of Engineer in charge of work.(Terrace)	Sqm	998.86	Rupees Nine Hundred Ninety Eight And Paise Eighty Six Only
32	411.72	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	295.92	Rupees Two Hundred Ninety Five And Paise Ninety Two Only
33	198.54	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	309.52	Rupees Three Hundred Nine And Paise Fifty Two Only
34	158.13	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(Terrace)	Sqm	323.13	Rupees Three Hundred Twenty Three And Paise Thirteen Only
35	242.93	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	231.29	Rupees Two Hundred Thirty One And Paise Twenty Nine Only
36	161.88	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	238.09	Rupees Two Hundred Thirty Eight And Paise Nine Only
37	52.92	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(Head Room)	Sqm	244.90	Rupees Two Hundred Forty Four And Paise Ninety Only
38	122.63	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	232.43	Rupees Two Hundred Thirty Two And Paise Forty Three Only
39	76.50	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	239.23	Rupees Two Hundred Thirty Nine And Paise Twenty Three Only
40	600.02	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	255.10	Rupees Two Hundred Fifty Five And Paise Ten Only

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41 1057.74	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all material cost of labour and scaffolding etc. , complete as per specifications and directions of Engineer in charge of work.	Sqm	88.44	Rupees Eighty Eight And Paise Forty Four Only
42 457.73	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	104.00	Rupees One Hundred Four Only
43 600.02	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	136.36	Rupees One Hundred Thirty Six And Paise Thirty Six Only
44 411.72	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of Engineer in charge of work.	Sqm	392.90	Rupees Three Hundred Ninety Two And Paise Ninety Only
45 198.54	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	402.15	Rupees Four Hundred Two And Paise Fifteen Only
46 158.13	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of Engineer in charge of work.(Head Room)	Sqm	420.64	Rupees Four Hundred Twenty And Paise Sixty Four Only
47 243.80	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.	Sqm	729.18	Rupees Seven Hundred Twenty Nine And Paise Eighteen Only


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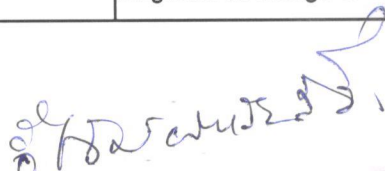

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Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY		
			In figures	In words	
48	253.97	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	731.49	Rupees Seven Hundred Thirty O And Paise Forty N Only
49	254.71	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm complete as per specifications and directions of Engineer in charge of work.	Sqm	2370.14	Rupees Two Thousand Thre Hundred Seven And Paise Fourte Only
50	254.18	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	2372.45	Rupees Two Thousand Thre Hundred Seven Two And Paise F Five Only
51	14.56	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.	Sqm	5149.35	Rupees Five Thousand One Hundred Forty N And Paise Thirty I Only
52	14.56	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	5151.66	Rupees Five Thousand One Hundred Fifty O And Paise Sixty Only
53	11.17	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.	Sqm	1371.88	Rupees One Thousand Thre Hundred Seven One And Pais Eighty Eight Or
54	13.50	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	1374.15	Rupees One Thousand Thre Hundred Seven Four And Pais Fifteen Only

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Contractor

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				In figures	In words
55	45.68	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	1850.34	Rupees One Thousand Eight Hundred Fifty And Paise Thirty Four Only
56	56.49	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	1852.60	Rupees One Thousand Eight Hundred Fifty Two And Paise Sixty Onl
57	257.64	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded	Sqm	1126.98	Rupees One Thousand One Hundred Twenty Si And Paise Ninety Eight Only
58	66.44	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and directions of Engineer in charge of work.	Sqm	596.37	Rupees Five Hundred Ninety Si And Paise Thirty Seven Only
59	10.00	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Nos	1548.75	Rupees One Thousand Five Hundred Forty Eight And Paise Seventy Five Only


Contractor


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60	0.27	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.	Cum 99324.01	Rupees Ninety Nine Thousand Three Hundred Twenty Four And Paise Only
61	0.42	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.	Cum 181498.41	Rupees One Lakh Eighty One Thousand Four Hundred Ninety Eight And Paise Forty One Only
62	5.67	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.	Sqm 5353.73	Rupees Five Thousand Three Hundred Fifty Three And Paise Seventy Three Only
63	1.89	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work. (First Floor)	Sqm 5358.26	Rupees Five Thousand Three Hundred Fifty Eight And Paise Twenty Six Only
64	1.89	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work. (Head Room)	Sqm 5362.80	Rupees Five Thousand Three Hundred Sixty Two And Paise Eighty Only
65	10.71	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.	Sqm 8097.49	Rupees Eight Thousand Ninety Seven And Paise Forty Nine Only
66	3.15	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work. (First Floor)	Sqm 8102.02	Rupees Eight Thousand One Hundred Two And Paise Two Only
67	28.50	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isophthalic Gelcoat and Isophthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations for high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and directions of Engineer in charge of work.	m 510.20	Rupees Five Hundred Ten And Paise Twenty Only

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		Item Name	Unit	Approved Rates of S K KESHAVAMURTHY	
				In figures	In words
34.20		Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isophthalic Gelcoat and Isophthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and directions of Engineer in charge of work. (First Floor)	m	514.74	Rupees Five Hundred Fourteen And Paise Seventy Four Only
69	7.88	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isophthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 36mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain coulor White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of	Sqm	4308.38	Rupees Four Thousand Three Hundred Eight And Paise Thirty Eight Only
70	9.45	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isophthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 36mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain coulor White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of	Sqm	4312.91	Rupees Four Thousand Three Hundred Twelve And Paise Ninety One Only
71	22.47	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	109.98	Rupees One Hundred Nine And Paise Ninety Eight Only

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		Item Name	Unit	Approved Rates of S K KESHAVAMURTHY	
				In figures	In words
72	31.23	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated	Sqm	5028.33	Rupees Five Thousand Twenty Eight And Paise Thirty Three Only
73	30.96	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated	Sqm	5035.13	Rupees Five Thousand Thirty Five And Paise Thirteen Only
74	650.16	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of Engineer incharge of work.	Kg	107.71	Rupees One Hundred Seven And Paise Seventy One Only
75	612.36	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of Engineer incharge of work.(First Floor)	Kg	114.51	Rupees One Hundred Fourteen And Paise Fifty One Only
76	125.55	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of Engineer incharge of work.	Sqm	107.71	Rupees One Hundred Seven And Paise Seventy One Only

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Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY		
			In figures	In words	
77	17.53	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and directions of Engineer incharge of work.	Sqm	6826.51	Rupees Six Thousand Eight Hundred Twenty Six And Paise Fifty One Only
78	20.50	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and directions of Engineer incharge of work.(First Floor)	Sqm	6833.32	Rupees Six Thousand Eight Hundred Thirty Three And Paise Thirty Two Only
79	109.71	Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and directions of Engineer incharge of work.	Cum	368.48	Rupees Three Hundred Sixty Eight And Paise Forty Eight Only
80	4.32	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of Engineer incharge of work.	Sqm	13096.29	Rupees Thirteen Thousand Ninety Nine And Paise Twenty Nine Only


Contractor

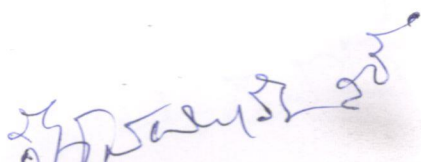

Executive Engineer
Project Division
Yelahanka Zone

Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY		
			In figures	In words	
81	401.94	Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with exposed grid. The tiles should have Humidity Resistance(RH) of 99%, Light Reflectance 87%, Thermal conductivity k=0.052-0.057w/m K,NRC-0.7, colour white, Fire Performance UK A2 S1, do with antimicrobial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with clean room clss of ISO 5(class 100), Decontamination class of CP10 and Bactoriological cleanliness class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all t sections i.e. the main runner, 1200mm & 600mm cross tees with web height f 38mm and a load carrying sections should have a galvanizing of 90grmas per sqm and need to be installed with suspension system of approved make complete as per specifications and directions of Engineer incharge of work.	Sqm	2816.32	Rupees Two Thousand Eight Hundred Sixteen And Paise Thirty Two Only
82	51.66	Providing and fixing veneer paneling over the 50mm x 35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved veneer fixed over 12mm ply of approved brand ,termite and water resistant,finished with mealamme polish, complete including cost and conveyance of all materials, labour for all items of work HOM of equipment etc., complete as per specifications and directions of Engineer incharge of work.	Sqm	4239.22	Rupees Four Thousand Two Hundred Thirty Nine And Paise Twenty Two Only
83	71.28	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equivalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete as per specifications and directions of Engineer incharge of work.	Sqm	4988.65	Rupees Four Thousand Nine Hundred Eighty Eight And Paise Sixty Five Only
84	25.74	Providing, fabricating and fixing of stick type structural glazing using Alluminium Extrusions of 63.5 mm x 58.00 mmx 2.25 mm of 1.73 kgs/ mtr for vertical and Horizontal members and 63.5 mm x 38.1 x 1.33 mm of 0.759 kg/Mtr, as outer frame with Electro Anodized Paint coated black finishing, using 6mm thick imported glass reflective hard coatedocean blue raw glass with all necessary accesories like ultra glass Silicon sealant of Space tape, Masking tape, Galvanized Anchaor bolt, machine screws, 6mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete as per specifications and directions of Engineer incharge of work.	Sqm	7543.06	Rupees Seven Thousand Five Hundred Forty Three And Paise Six Only

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Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY	
			In figures	In words
85	1.00	each B	3955.65	Rupees Three Thousand Nine Hundred Fifty Five And Paise Sixty Five Only
86	50.00	Rmtr	364.28	Rupees Three Hundred Sixty Four And Paise Twenty Eight Only
87	50.00	Rmtr	464.01	Rupees Four Hundred Sixty Four And Paise One Only
88	50.00	Rmtr	478.71	Rupees Four Hundred Seventy Eight And Paise Seventy One Only
89	50.00	Rmtr	562.69	Rupees Five Hundred Sixty Two And Paise Sixty Nine Only


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Quantity	Item Name	Unit	Approved Rates of S K KESHAVAMURTHY	
			In figures	In words
50.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) complete as per specifications and directions of Engineer incharge of work. 200 to 250 m	Rmtr	665.57	Rupees Six Hundred Sixty Five And Paise Fifty Seven Only
91 50.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) complete as per specifications and directions of Engineer incharge of work. 250 to 300 m	Rmtr	734.86	Rupees Seven Hundred Thirty Four And Paise Eighty Six Only
92 50.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) complete as per specifications and directions of Engineer incharge of work. 300 to 350m	Rmtr	866.09	Rupees Eight Hundred Sixty Six And Paise Nine Only
93 70.00	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty complete as per specifications and directions of Engineer incharge of work.	Rmtr	1390.99	Rupees One Thousand Three Hundred Ninety And Paise Ninety Nine Only
94 18.00	Providing 250mm dia PVC Pipe 6kg/cm complete as per specifications and directions of Engineer incharge of work.	Rmtr	1154.78	Rupees One Thousand One Hundred Fifty Four And Paise Seventy Eight Only
95 1.00	Providing and fixing 160mm Borewell Cap complete as per specifications and directions of Engineer incharge of work.	Each	104.98	Rupees One Hundred Four And Paise Ninety Eight Only

Contractor

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